

# BOREHOLE LOG

Project Name: VANDENBERG AFB IRP: OU 2, Site 20, Landfill 1/Drum Disposal Site 1								
Project Number: 01K78601			Borehole No.: 20-MW-22			Sheet 1 of 2		
Borehole Location: 2099577.72 N, 5803104.82 E						Elevation and Datum: 441.70 feet MSL		
Drilling Contractor: Tri-County Drilling, Inc.			Date Started: 05/05/98			Date Ended: 05/05/98		
Drilling Equipment: CME-550			Total Depth: 46.5 feet			Groundwater Depth: 28 feet		
Drilling Method: Hollow Stem Auger			Sampling Method: Split Spoon			Borehole Diameter: 8 inches		
Driller: M. Ferguson			Borehole Abandonment: Reamed with 11" auger and completed as 4" monitoring well					
Hammer Information: Automatic Hammer. 140-lb and 30-inch drop			Logged By: D. Peeler			Checked By: M. Anderson		

Depth (feet)	Lithologic Description	Symbol	USCS	Sample	Sample Number	Blow Counts	Field OVA (ppm)	Remarks
5	SAND, yellowish brown (10YR 5/4), slightly moist, loose, soft, fine to medium grained, with little silt.		SP				0	
10	SANDY CLAY, yellowish brown (10YR 5/4), slightly moist, stiff, medium plasticity, with fine to coarse sand and trace gravel.		CL				0	
15	GRAVELLY CLAY, light brownish gray (2.5Y 6/2), slightly moist, stiff, medium plasticity, with rounded, elongate gravel.		CL				0	
20	SANDY CLAY, light olive brown (2.5Y 5/6), dry, stiff, medium plasticity, with sand (40%) and flat gravel.		CL				0	
25	Same as above, subrounded gravel.		CL				0	
30	Same as above, slightly moist, increasing subangular, fine gravel.		CL				0	



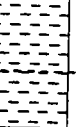

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Sheet 2 of 2

Depth (feet)	Lithologic Description	Symbol	USCS	Sample	Sample Number	Blow Counts	Field OVA (ppm)	Remarks
	Same as above, high plasticity.		CL				0	
35	GRAVELLY CLAY, light olive brown (2.5Y 5/6), moist, stiff, high plasticity, with gravel (40%) and sand (20%).		CL				0	
40							0	
45	ROCK, very dark grayish brown (2.5Y, 3/2), slightly moist, with sand-sized angular rock fragments (40%) and gravel (20%).		RX			11		Fairly abrupt contact with unweathered bedrock.
	Same as above, dry, hard.		RX			17	0	Very hard drilling.
						31		
50	End of boring at 46.5 feet below ground surface. Groundwater encountered at 28 feet. Boring reamed with 11" auger and completed as 4" monitoring well.							
55								
60								
65								
70								